

10th CLASS GUESS PAPER MATHEMATICS SCIENCE GROUP 2023.**ALL PUNJAB BOARD: MULTAN, SAHIWAL, GUIRANWALA, SARGODHA****FAISILABAD, BAHWALPUR, AZAD KASHMIR****DERA GHAZI KHAN****ALGEBRA****UNIT NO. 1 QUADRATIC EQUATION.****SHORT AND LONG QUESTIONS.**

Exercise No. 1.1	PAGE NO. 5	Q.1 (i) Q.3 (iv, vi, vii)
Exercise No. 1.2	PAGE NO. 7	Q.1 (i,iii, viii, ix, x).
Exercise No. 1.3	PAGE NO. 11	Q. 3,4,5,8,9,10,12,13,15,16 Define Radical equations.
Exercise No. 1.4	PAGE NO. 14	Q. 1,2,3,6,7

UNIT NO. 2 THEORY OF QUADRATIC EQUATIONS.

Exercise No. 2.1	PAGE NO. 22	Q.1 (i) Q. 2 (i)
Exercise No. 2.2	PAGE NO. 25	Q. 2 (i , vii)
Exercise No. 2.3	PAGE NO. 29	Q.1 (v ,vi) Q. 5 (i ,iii)
Exercise No. 2.4	PAGE NO. 31	Q.1 (i,ii,iv) Q. 2 (i)
Exercise No. 2.5	PAGE NO. 35	Q.2 (c , d) Q. 3 (a)
Exercise No. 2.6	PAGE NO. 38	Q.3 (i ,ii) Define Simultaneous equation.
Exercise No. 2.7	PAGE NO. 43	Q. 1, 3, 4, 5, 6

UNIT NO. 3 VARIATIONS.

Exercise No. 3.1	PAGE NO. 52	Q.1 (i,v)
Exercise No. 3.3	PAGE NO. 58	Q.1 (vi) Q.2 (iii)
Exercise No. 3.4	PAGE NO. 62,63	Complete
Exercise No. 3.6	PAGE NO. 67	Q.1 (i,iii) Q.2 (ii)

UNIT NO. 4 PARTIAL FRACTIONS.

Exercise No. 4.1	PAGE NO. 78	Q.1, Q. 2
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Exercise No. 4.3	PAGE NO. 80	Q.1 ,Q.2 Q.6, Q.8
Miscellaneous Exercise	PAGE NO. 83	Q. 2 (i to iv)

UNIT NO. 5 SETS AND FUNCTIONS.

Exercise No. 5.1	PAGE NO. 87	Q. 2, Q. 3 (ii, iii, v)
Exercise No. 5.3	PAGE NO. 98	Q.1 (ii) Short and Long Q.2 (ii)Long Q.3, Q.4 (iii, iv) Long
Exercise No. 5.4	PAGE NO. 99	Q.1 ,Q.2, Q.3 (i)
Exercise No. 5.5	PAGE NO. 102	Q.1, Q.2, Q.3, Q.4 Long
Miscellaneous Exercise	PAGE NO. 105	Q.2 Definition. i,ii, vi,vii,viii,ix,x

UNIT NO. 6 BASIC STATISTICS

Exercise No.6.2	PAGE NO. 135	Q. 6, Q.7
Exercise No. 6.3	PAGE NO. 141	Q. 4,5,6 Long Questions.
Miscellaneous exercise	PAGE NO. 143	Q.2 (i to v, xiv) short answer

GEOMETARY

UNIT NO. 7 **INTRODUCTION TO TRIGONOMETRY.**

Exercise No. 7.1	PAGE NO. 151	Q.5 (iii, vi, viii)
Exercise No. 7.2	PAGE NO. 152	Q.1 ,Q.4
Exercise No. 7.3	PAGE NO. 162	Q.7, Q. 8 Long
Exercise No. 7.4	PAGE NO. 165	Q.8, Q.9,Q.15,Q.18,Q.19,Q.20,Q.21,Q.24 Long
Miscellaneous Exercise.	PAGE NO. 169	Q.2 (i, iii, iv, v,vi ,vii)

UNIT NO. 8 **PROJECTION OF A SIDE OF A TRIANGLE.**

Review Exercise 8	PAGE NO. 177	Q.7, Q. 8, Q.10
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UNIT NO. 9 **CHORDS OF A CIRCLE.**

Miscellaneous Exercise.	PAGE NO. 188	Q.2 (i to vi)
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UNIT NO. 13 **PRACTICAL GEOMETRY-CIRCLES**

Exercise No. 13.2	PAGE NO. 228	Q.1, Q.2,Q.5,Q.7,Q.8,Q.9 Long Questions.
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